


Product environmental attributes – THE ECO DECLARATION


Brand *	<i>Hewlett-Packard</i>	Logo 
Company name *	<i>Hewlett-Packard Company</i>	
Contact information *	<i>Hans Wendschlag</i> http://www.hp.com/hpinfo/globalcitizenship/environment/contactemail.html	
Internet site *	http://www.hp.com/hpinfo/globalcitizenship/environment/	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	<i>Large Format Inkjet Printer</i>
Commercial name *	<i>Designjet T1120 Printer Series</i>
Model number *	<i>CK837A, CK838A, CK839A, CK840A</i>
Issue date *	<i>30/Mar/2009</i>
Intended market *	<input checked="" type="checkbox"/> Global <input type="checkbox"/> Europe <input type="checkbox"/> Japan <input type="checkbox"/> U.S. <input type="checkbox"/> Other
Additional information	


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The declaration may be published only when all rows and/or fields marked with a * are filled-in (n.a. for not applicable).


Quality Control		Requirement met	
Item	Additional information regarding each item may be found under P14.	Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see http://www.itforetagen.se).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Product environmental attributes - Legal requirements		Requirement met		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P1 Hazardous substances and preparations				
P1.1*	Products do not contain lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) as specified in <i>EU 2002/95/EC and its amendments</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (<i>EU 76/769/EEC, amendment 1999/77/EC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (<i>EU : Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), (<i>EU 76/769/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP as specified in <i>Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3,-dibromopropyl)-phosphate (TRIS), Tris-(aziridinyl)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (<i>EU 76/769/EEC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.7*	Textile and leather parts with direct skin contact do not contain Azo colourants that split aromatic amines as specified in <i>EU 76/769/EEC, amendment 2003/3/EC</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (<i>EU 76/769/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations higher than specified in <i>76/769/EEC, amendment 94/27/EEC</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P2 Batteries				
P2.1*	If hazardous batteries (as defined in <i>91/157/EEC</i>) are used in the product they are easily removable and labelled with the disposal and the substance logo (as defined in <i>91/157/EEC, 93/86/EEC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P2.2*	If batteries are used in the product they do not contain mercury in concentrations higher than specified in <i>91/157/EEC</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	If batteries are permanently installed in the product, information on the environmentally hazardous substances and safe removal method is listed in the user manual (<i>91/157/EEC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P3 Electrical safety, EMC and connection to the telephone network				
P3.1*	The product meets the Low Voltage Directive (LVD) regarding electrical safety (<i>73/23/EEC & 93/68/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product meets the EMC Directive regarding electromagnetic compatibility (<i>89/336/EEC / 2004/108/EEC after June, 20th 2007</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it meets the EU R&TTE Directive (<i>1999/5/EC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P3.4*	The product is CE-marked and a Declaration of Conformity is available (<i>93/68/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4 Consumable materials				
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium in concentrations higher than specified in (<i>76/769/EEC and 91/338/EEC</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P4.2*	If ink/toner is used in the product, it does not contain cadmium in concentrations higher than specified in (<i>76/769/EEC and 91/338/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to EU Directive 1999/45/EC, and as amended, the product/package is labelled and a Material Safety Data Sheet (MSDS) in accordance with (<i>99/45/EC & 2001/58/EC</i>) is available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5 Product packaging				
P5.1*	The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium present in packaging or packaging components does not exceed 0,01% by weight (<i>94/62/EC</i>).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043. (<i>97/129/EEC</i>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from CFC/HCFC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6 Treatment information				
P6.1*	Information for recyclers/treatment facilities (e.g. as requested by 2002/96/EC) is available.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Model number *	CK837A, CK838A, CK839A, CK840A	Logo	
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Product environmental attributes - Market requirements - Environmental conscious design					Requirement met	
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.				Yes	No n.a.
P7 Design, Disassembly, recycling						
P7.1*	Parts that have to be treated separately are easily separable				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.2*	Plastic materials in covers/housing have no surface coating.				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.3*	Plastic parts >100g consist of one material or of easily separable materials.				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.4*	Plastic parts >25g have material codes according to ISO 11469 referring ISO 1043.				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.				<input type="checkbox"/>	<input type="checkbox"/>
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).				<input checked="" type="checkbox"/>	<input type="checkbox"/>
Product lifetime						
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.8*	Upgrading can be done using commonly available tools				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.9.	Spare parts are available after end of production for: 5 years					<input type="checkbox"/>
P7.10	Service is available after end of production for: years					<input type="checkbox"/>
Material and substance requirements						
P7.11*	Product cover/housing material type: Material type: ABS Material type: Material type:					
P7.12*	Electrical cable insulation material of power cables are halogen free (including PVC)				<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.13*	Electrical cable insulation material of signal cables are halogen free (including PVC)				<input type="checkbox"/>	<input checked="" type="checkbox"/>
P7.14	All cover/housing plastic parts >25g are halogen free				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.15	All printed circuit boards (without components) >25g are halogen free				<input type="checkbox"/>	<input type="checkbox"/>
P7.16	Chemical specifications of flame retardants in cover / housing plastic parts >25g according ISO 1043-4:				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.17	Chemical specifications of flame retardants in printed circuit boards (without components) >25g according ISO 1043-4: <i>FR(16)</i>				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P7.18	Weight of recycled material in plastic parts is					
P7.19	Plastic parts >25g are free from flame retardant substances/preparations above 0.1% classified as R45/46, R50/51/53 and R60/61 (<i>67/548/EEC</i>)				<input type="checkbox"/>	<input type="checkbox"/>
P7.20	Light sources are free from mercury If mercury is used specify: Number of lamps: and max. mercury content per lamp: mg				<input type="checkbox"/>	<input checked="" type="checkbox"/>
P8 Batteries						
P8.1*	Product does not contain batteries defined as hazardous according to 91/157/EEC				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P8.2*	Battery chemical composition: Li Mn O2					<input type="checkbox"/>
P8.3	Batteries meet the requirements of the following voluntary program/s:					<input type="checkbox"/>
P9 Energy consumption						
9.1 <u>For the product the following power levels or energy consumptions have been measured: (Answered at the end of the form)</u>						
Mode	Power level at * Volts	Time (s) to <mode>	Mode description	Reference/ Standard	n.a.	
On-max	W		*	*	<input type="checkbox"/>	
On-normal	* W	to	*	*	<input type="checkbox"/>	
On-idle	W	to	*	*	<input type="checkbox"/>	
Save 1	* W	to	*	*	<input type="checkbox"/>	
Save 2	W	to	*	*	<input type="checkbox"/>	
Off 1	* W	to	*	*	<input type="checkbox"/>	
Off 2	W	to	*	*	<input type="checkbox"/>	
No load	* W		External power supplies/charger plugged in but disconnected from the product	*	<input type="checkbox"/>	
TEC	* kWh/y Typical Energy Consumption per year			*	<input type="checkbox"/>	
P9.2*	Information about the energy save function is provided with the product.				<input checked="" type="checkbox"/>	<input type="checkbox"/>
P9.3	The product meets the energy requirements of the following voluntary program/s: ENERGY STAR® MOU Others specify:				<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Product environmental attributes - Market requirements (continued)					Requirement met			
Item	* = mandatory to fill in. Additional information regarding each item may be found under P14.					Yes	No	n.a.
P10 Emissions								
Noise emission – Declared according to ISO 9296								
P10.1	Mode	Mode description	Declared A-weighted sound power level L _{WAd} (B)	Declared A-weighted sound pressure level L _{pAm} (dB)				
				Operator position	Bystander positions			
				<input type="checkbox"/>	<input checked="" type="checkbox"/>			
				Desktop or Deskside	(only if product is not operator attended)			
				<input type="checkbox"/>	<input type="checkbox"/>			
	Idle	* Ready to Print	* 4.4	29				<input type="checkbox"/>
	Operation	* Printing	* 6.9	57				<input type="checkbox"/>
	Other mode							
	Measured according to: <input checked="" type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74							
	<input type="checkbox"/> Other (only if not covered by ECMA-74 with L _{pAm} measurement distance m)							
P10.2	The product meets the acoustic noise requirements of the following voluntary program/s:					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical emissions from printing products								
P10.3*	Test performed according to ECMA-328 standard <input type="checkbox"/> , other specify: USEPA-ASTM D5116 & D6670					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	The test covers: Dust <input checked="" type="checkbox"/> Ozone <input checked="" type="checkbox"/> Styrene <input checked="" type="checkbox"/> Benzene <input checked="" type="checkbox"/> TVOC <input checked="" type="checkbox"/>							
P10.4	The product meets the chemical emission requirements of the following voluntary program/s:					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electromagnetic emissions								
P10.5	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s:					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P11 Consumable materials for printing products								
P11.1*	A Material Safety Data Sheet (MSDS) is available for the ink/toner preparation, even if not legally required (see P4.3).					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P11.2*	Paper containing recycled fibres that meets the requirements of EN12281 can be used.					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P11.3*	2-sided (duplex) printing/copying is an integrated product function.					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P12 Ergonomics for computing products								
P12.1*	The computer system meets the ergonomic requirements of EN 29241-3, -7, -8 for CRT displays and EN-ISO13406-2 for flat panel displays.					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P12.2*	The product keyboard meets the requirements of ISO 9995 and EN 29241-4.					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P12.3*	The computer input device meets the requirements of ISO 9241-9.					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P13 Packaging and documentation								
P13.1*	Product packaging material type(s): Corrugated Paper	24" Printer Models	44" Printer Models					
	Product packaging material type(s): Wood	weight (kg): 9.0 Kg	weight (kg): 17.3 Kg					
	Product packaging material type(s): EPS	weight (kg): 20.0 Kg	weight (kg): 22.0 Kg		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Product packaging material type(s): Others	weight (kg): 2.3 Kg	weight (kg): 2.3 Kg					
		weight (kg): 1.9 Kg	weight (kg): 2.2 Kg					
P13.2*	Product plastic packaging is halogen free (including PVC)					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	User and product documentation do not contain chlorine bleached paper					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.4*	User and product documentation contain recycled paper					<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
P14 Additional information								
P14.1	24" Printer Models: CK837A, CK828A							
P14.2	44" Printer Models: CK839A, CK840A							

P9		Energy consumption
9.1		For the product the following power levels or energy consumptions have been measured:

Mode	Main Product Power Consumption ¹ (W)	Default Time Settings to Enter Energy Saving Mode (Min)	Digital Front End Power Consumption (W)	Comments	Reference Standard (test method)
Operating (maximum)	200	Not Applicable			IEC 62301: Household electrical appliances - Measurement of standby power (Ver. 1.0) ²
Ready	30	Immediately after Operating mode ends			ENERGY STAR [®] Product for Imaging products (Ver. 1.0)
Sleep	27.6(*)	30	19.2	*Including Digital Front End Power Consumption	ENERGY STAR [®] Product for Imaging products (Ver. 1.0)
Standby	13	Not Applicable			IEC 62301: Household electrical appliances - Measurement of standby power (Ver. 1.0) ²
Off	0.1	Not Applicable			ENERGY STAR [®] Product for Imaging products (Ver. 1.0)

1. Reported power is the highest level for all standard voltages this product series/model is sold at worldwide.
2. Uses all basic test conditions and methods established by this standard procedure and adapts them to measuring this power mode. However, this procedure does not specify measurement of this power mode.
3. Definitions:
 - a. **Digital Front End:** A functionally-integrated, network-attached server or desktop-derived server that hosts other computers and applications and acts as an interface to imaging equipment. A DFE uses its own dc power supply or draws its dc power from the imaging equipment product with which it operates. A DFE provides greater functionality to the imaging product. A DFE also offers at least three of the following advanced features:
 - i. Network connectivity in various environments;
 - ii. Mailbox functionality;
 - iii. Job queue management;
 - iv. Machine management (e.g., waking the imaging equipment from a reduced power state);
 - v. Advanced graphic user-interface (UI);
 - vi. Ability to initiate communication with other host servers and client computers (e.g., scanning to email, polling remote mailboxes for jobs); or
 - vii. Ability to post-process pages (e.g., reformatting pages prior to printing)
 - b. **Operating (maximum):** The power state in which the product is connected to a power source and is actively transferring data, as well as performing any of its other primary functions configured in the mode that is consuming the most.
 - c. **Ready:** The condition that exists when the product is not producing output, has reached operating conditions, has not yet entered into any lower-power modes, and can enter Active mode with minimal delay. All product features can be enabled in this mode, and the product must be able to return to Active mode by responding to any potential input options designed into the product. Potential inputs include external electrical stimulus (e.g., network stimulus, fax call, or remote control) and direct physical intervention (e.g., activating a physical switch or button).
 - d. **Sleep:** The reduced power state that the product enters automatically after a period of inactivity. In addition to entering Sleep automatically, the product may also enter this mode 1) at a user set time-of-day, 2) immediately in response to user manual action, without actually turning off, or 3) through other, automatically-achieved ways that are related to user behavior. All product features can be enabled in this mode and the product must be able to enter Active mode by responding to any potential input options designed into the product; however, there may be a delay. Potential inputs include external electrical stimulus (e.g., network stimulus, fax call, remote control) and direct physical intervention (e.g., activating a physical switch or button). The product must maintain network connectivity while in Sleep, waking up only as necessary.
 - e. **Standby:** The power state the product enters when it has been manually switched off. This mode is exited when manually switched on.
 - f. **Off:** The power state that the product enters when it has been manually or automatically switched off but is still plugged in and connected to the mains. This mode is exited when stimulated by an input, such as a manual power switch or clock timer to bring the unit into Ready mode. When this state is resultant from a manual intervention by

a user, it is often referred to as Manual Off, and when it is resultant from an automatic or predetermined stimuli (e.g., a delay time or clock), it is often referred to as Auto-off.

		Yes	No	N/A
P9.2*	Information about the energy save function is provided with the product.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3	The following product models qualify to the following voluntary programs: ENERGY STAR® Imaging Equipment Program (Version 1.0, Tier 1):			